

Minnesota Black Bear Harvest 1990

Minnesota Department of Natural Resources
Section of Wildlife
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Table 1. Bear Permit Application Error Summary, 1989

Total applications - 24,096
Total applications in error 587 (2.4%)

<u>Type of error</u>	<u>No. of errors</u>
DL# did not match name/dob	225
Late postmark on application	210
DL# not given	200
No signature on application	100
Invalid hunting area	17
Applicant under minimum age	1
<u>Miscellaneous</u>	<u>4</u>
Total number of errors -	587

Table 2. Bear Permit Distribution and Drawing Statistics, 1989

Permit Area Number	No. of Permits Avail.	Total Number Applic.	No. of Valid Applic.	Number of applications (permits issued) by preference level.					Number Permits Issued ³
				≥5	4	3	2	1	
12	320	850	828	1(1)	2(1)	59(52)	356(207) ²	410(0)	261
13	310	1,028	1,005	0(0)	9(6)	117(99)	385(160) ²	494(0)	265
22	390	325	316	0(0)	0(0)	15(15)	50(39)	251(196)	250
23	1,000	4,096	4,000	9(8)	21(18)	718(616)	1,519(216) ²	1,733(0)	858
24	480	936	908	0(0)	2(2)	161(129)	380(250) ²	365(0)	381
31	960	2,914	2,850	0(0)	19(13)	265(226)	1,228(554) ²	1,338(0)	793
40	920	7,019	6,838	11(11)	485(442)	1,816(367) ²	2,146(0)	2,380(0)	823
51	1,140	6,891	6,751	18(16)	218(189)	1,789(758) ²	2,110(0)	2,616(0)	963
n.a.	0	37	0	0	0	0	0	0	0

All areas 5,520¹ 24,096 23,496 39(36) 756(671) 4,940(2,262) 8,174(1,426) 9,587(196) 4,594³

¹ The number of permits available is set higher than the desired quota of permits based on experience that not all successful applicants actually purchase a bear license.

² This is the level at which the number of applicants exceeded the number of permits remaining for the area and a drawing was necessary.

³ This is the number of licenses purchased by the 5,448 applicants who were successful in the drawings (see #1 above).

Table 3. Bear license sales, 1971-1989

Year	Resident	Non-resident	Total
1971	1,333	33	1,386
1972	1,984	85	2,069
1973	2,982	134	3,116
1974	5,507	220	5,727
1975	5,903	254	6,157
1976	3,678	283	3,961
1977	5,213	506	5,719
1978	6,274	838	7,112
1979	6,708	875	7,583
1980	7,732	945	8,677
1981	10,284	1,145	11,429
1982	1,854	67	1,921
1983	3,378	104	3,482
1984	3,401	100	3,501
1985	3,847	101	3,948
1986	4,087	101	4,188
1987	(Q - 4120 No Q - 1747) 5,867	(Q - 93 No Q - 21) 114	(Q - 4213 No Q 1789) 6,002
1988	(Q - 4164 No Q - 1278) 5,442	(Q - 133 No Q - 19) 152	(Q - 4297 No Q 1297) 5,594
1989	(Q - 4456 No Q - 1110) 5,566	(Q - 172 No Q - 46) 218	(Q - 4628 No Q 1156) 5,784

(Q) Quota (No Q) No Quota

Table 4. 1989 REGISTERED BEAR HARVEST BY COUNTY

County	Male	Female	Unknown	Total
Aitkin	138	88	0	226
Becker	11	6	0	17
Beltrami	43	36	0	79
Carlton	16	15	0	31
Cass	105	68	0	173
Chisago	2	1	0	3
Clearwater	11	14	0	25
Cook	56	68	3	127
Crow Wing	27	20	0	47
Hubbard	25	17	0	42
Itasca	137	107	1	245
Kanabec	28	20	0	48
Kittson	3	0	0	3
Koochiching	46	62	3	111
Lake	63	55	1	119
Lake of the Woods	29	22	0	51
Mahnomen	2	1	0	3
Marshall	13	1	0	14
Mille Lacs	10	7	0	17
Morrison	4	2	0	6
Pennington	3	0	0	3
Pine	112	45	0	157
Red Lake	1	0	0	1
Roseau	28	8	0	36
St. Louis	167	152	6	325
Wadena	1	0	0	1
Unknown	0	0	1	1
TOTAL	1,081	815	15	1,911

Table 5. Registered Bear harvest by county, 1980-1989.

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Aitkin	92	128	39	102	96	118	153	149	157	226
Anoka	0	0	0	0	0	0	0	0	0	0
Becker	7	9	1	14	9	10	3	9	8	17
Beltrami	28	79	24	78	60	58	53	55	58	79
Benton	0	0	0	0	0	0	0	1	2	0
Carlton	17	18	3	9	19	34	39	21	28	31
Cass	69	110	29	93	73	114	89	134	96	173
Chisago	0	1	0	0	0	0	1	2	2	3
Clearwater	3	18	4	8	7	17	12	22	14	25
Cook	148	79	7	46	30	62	65	98	45	127
Crow Wing	9	33	8	26	21	36	22	37	34	47
Hubbard	15	19	11	25	45	41	36	37	30	42
Isanti	1	3	0	0	0	1	2	1	0	0
Itasca	212	172	50	121	128	170	183	242	179	245
Kanabec	12	18	8	19	19	18	36	34	52	48
Kittson	0	0	0	1	8	0	2	2	7	3
Koochiching	137	149	66	105	89	95	113	126	87	111
Lake	74	80	17	42	28	60	79	83	60	119
Lake of the Woods	30	43	25	32	41	29	32	27	48	51
Mahnomen	0	1	2	2	5	1	4	2	2	3
Marshall	2	3	1	9	17	12	5	14	24	14
Mille Lacs	5	12	3	11	11	28	14	16	21	17
Morrison	1	1	1	10	5	4	8	11	6	6

(continued)

Table 5. Continued

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Pennington	0	1	0	3	2	1	1	12	4	3
Pine	62	73	20	55	52	98	113	115	208	157
Polk	1	0	0	0	0	1	0	0	1	0
Red Lake	3	2	0	0	0	0	0	1	0	1
Rice	0	0	0	0	0	0	0	1	0	0
Roseau	18	18	7	23	32	19	28	29	28	36
St. Louis	289	284	64	197	122	302	317	290	305	325
Wadena	0	1	0	0	0	0	0	0	1	1
Wilkin	1	0	0	0	0	0	0	0	0	0
Unknown	13	4	22	7	0	11	6	5	2	1
TOTAL	1,247	1,359	392	1,038	919	1,340	1,416	1,577	1,509	1,911

Table 6. Registered bear harvest and success, 1989

<u>Permit Area</u>	<u>Available</u>	<u>Issued</u>	<u>Permits Harvest*</u>	<u>Success*</u>
12	320	262	80	30.5%
13	310	266	99	37.2%
22	390	252	41	16.3%
23	1000	867	310	35.8%
24	480	378	121	32.0%
31	960	804	309	38.4%
40	920	829	357	43.1%
51	1140	970	344	35.5%
<hr/>				
Totals	5520	4628	1661	35.9%
<u>No Quota</u>		1156	250	21.6
Totals		5784	1911	33.0%

* Includes bear taken by nuisance permit

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1989.

NW No-quota Zone Block	Male	Female	Unknown	Total
201	4	3	0	7
202	8	0	0	8
204	15	1	0	16
206	2	1	0	3
208	4	0	0	4
209	3	0	0	3
211	1	0	1	1
Totals	37	5	0	42

Bear Permit Area
BPA #12

Block Killed In

105	1	0	0	1
110	5	5	0	10
198	1	0	0	1
205	5	5	0	10
209	1	0	0	1
211	22	13	0	35
212	8	8	0	16
213	1	0	0	1
214	3	2	0	5
Totals Block #12	47	33	0	80

BPA #13

Block Killed in

104	11	2	0	13
105	3	10	1	14
106	21	23	1	45
107	2	0	0	2
110	15	6	0	21
168	0	1	0	1
211	0	2	0	2
UNK	1	0	0	1
Totals Block #13	53	44	2	99

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1989.

BPA #22	Male	Female	Unknown	Total
<u>Block Killed in</u>				
107	0	1	0	1
115	1	0	0	1
116	6	10	0	16
117	2	6	0	8
118	1	0	0	1
119	1	6	0	7
127	0	1	0	1
128	1	1	0	2
130	0	1	0	1
169	1	1	0	2
194	0	1	0	1
<hr/>				
Totals Block #22	13	28	0	41
<hr/>				
BPA #23				
<u>Block Killed in</u>				
107	18	34	1	53
108	8	16	0	24
109	8	4	0	12
115	2	0	1	3
116	0	1	0	1
119	6	18	5	29
120	3	12	0	15
121	11	9	0	20
168	1	1	0	2
169	59	37	0	96
170	29	15	0	44
171	0	1	0	1
173	2	0	0	2
175	2	1	0	3
181	1	0	0	1
197	1	0	0	1
UNK	2	1	0	3
<hr/>				
Totals Block #23	153	150	7	310
<hr/>				
BPA #24				
<u>Block Killed in</u>				
120	1	2	0	3
124	0	1	0	1
168	1	0	0	1
173	1	0	0	1
175	22	26	0	48
176	10	5	0	15
177	12	5	0	17
178	11	3	0	14
179	9	6	0	15
180	0	1	0	1
181	0	1	0	1
186	1	0	0	1
UNK	1	1	1	3
<hr/>				
Totals Block #24	69	51	1	121

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1989.

	Male	Female	Unknown	Total
BPA #31				
<u>Block Killed in</u>				
117	3	1	0	4
122	7	7	0	14
123	4	4	0	8
124	5	3	0	8
125	11	8	0	19
126	38	21	0	59
127	8	11	1	20
128	27	40	3	70
129	16	14	0	30
130	6	3	0	9
176	1	1	0	2
179	11	7	0	18
180	29	15	0	44
194	2	2	0	4
Totals Block #31	168	137	4	309
BPA #40				
<u>Block Killed in</u>				
167	3	11	0	14
168	10	14	0	24
169	0	1	0	1
170	2	0	0	2
171	11	13	0	24
172	38	29	0	67
173	2	1	0	3
178	0	1	0	1
197	23	15	0	38
198	13	10	0	23
209	3	0	0	3
210	0	1	0	1
221	0	1	0	1
222	3	0	0	3
244	3	4	0	7
245	20	13	0	33
246	16	3	0	19
247	7	6	0	13
248	1	1	0	2
249	6	1	0	7
284	6	11	0	17
285	6	1	0	7
286	13	16	0	29
287	2	0	0	2
296	1	1	0	2
298	7	5	0	12
UNK	1	1	0	2
Totals in Block #40	197	160	0	357

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1989.

	Male	Female	Unknown	Total
<u>BPA #51</u>				
<u>Block Killed in</u>				
128	0	1	0	1
152	3	0	0	3
154	3	6	0	9
155	24	17	0	41
156	11	12	0	23
157	4	11	0	15
158	1	0	0	1
170	4	1	0	5
171	8	7	1	16
172	1	2	0	3
173	50	29	0	79
174	30	20	0	50
177	1	0	0	1
178	0	1	0	1
180	1	0	0	1
181	9	6	0	15
182	30	15	0	45
183	14	16	0	30
199	2	3	0	5
<u>Totals Block #51</u>	<u>196</u>	<u>147</u>	<u>1</u>	<u>344</u>
<u>East-central No-quota Zone</u>				
153	3	0	0	3
155	0	1	0	1
156	26	6	0	32
157	11	4	0	15
158	34	17	0	51
159	64	22	0	86
183	7	8	0	15
225	3	1	0	4
235	0	1	0	1
<u>East-central No-Quota Zone Totals</u>	<u>148</u>	<u>60</u>	<u>0</u>	<u>208</u>

Table 8. Registered bear harvest by weapon, 1989.

	Count	Count Percent
RIFLE	1,218	63.7%
SLUG	86	4.5%
MUZZLELOADER	25	1.3%
BOW + ARROW	265	13.9%
HANDGUN	55	2.9%
UNKNOWN	262	13.7%
TOTAL	1,911	100.0%

Table 9. Registered bear harvest by date, 1989.

	Male	Female	Unknown	Total
September				
1	276	213	3	492
2	187	145	2	334
3	76	62	1	139
4	66	57	2	125
5	27	30	0	57
6	25	21	0	46
7	24	18	0	42
8	26	28	2	56
9	47	43	0	90
10	44	24	2	70
11	17	10	0	27
12	12	6	0	18
13	16	10	0	26
14	11	13	0	24
15	21	11	0	32
16	18	20	2	40
17	15	9	0	24
18	8	5	0	13
19	9	6	0	15
20	3	2	0	5
21	2	3	0	5
22	2	1	0	3
23	14	7	0	21
24	13	7	0	20
25	7	3	0	10
26	5	0	0	5
27	5	4	0	9
28	7	5	0	12
29	7	7	0	14
30	15	4	0	19
October				
1	6	1	0	7
2	0	1	0	1
3	2	0	0	2
4	3	1	0	4
5	3	1	0	4
6	4	4	0	8
7	4	9	0	13
8	6	4	0	10
9	1	1	0	2
10	3	2	0	5
11	3	1	0	4
12	2	2	0	4
13	4	2	0	6
14	11	1	0	12
15	3	1	0	4
Unknown			5	5
TOTAL	1,060	805	19	1,884

Table 10. Bear hunter harvest and success (based on registered harvest and license sales), 1971-1989 (1987-1989 include No Quota Area harvest)

Year	Resident		Non-resident		Unknown	Total	
	Harvest	Success	Harvest	Success		Harvest	Success
1971						43	3.1%
1972						178	8.6%
1973						352	11.3%
1974						644	11.2%
1975						522	8.5%
1976						419	10.6%
1977						701	12.3%
1978						1,028	14.4%
1979	595	8.9%	147	16.8%		743	9.8%
1980	968	12.5%	240	25.4%	39	1,247	14.4%
1981	1,094	10.6%	265	23.1%		1,359	11.9%
1982	362	19.5%	30	44.8%		392	20.4%
1983	986	29.2%	52	50.0%		1,038	29.8%
1984	987	29.0%	32	32.0%		919	26.2%
1985	1,292	33.6%	48	47.5%		1,340	33.9%
1986	1,359	33.2%	53	52.5%	4	1,416	33.8%
1987	1,503	25.6%	67	58.8%	7	1,577	26.4%
1988	1,447	34.8%	62	46.6%	0	1,509	27.2%
1989	1,799	32.3%	95	43.6%	17	1,911	33.0%

Source: Minnesota Black Bear Harvest Reports, 1979-1988. Data by liense holder not available prior to 1979.

Table 11. Nuisance bears killed by Licensed Hunters, 1989*.

Date	Male	Female	Total
8-09	1	0	1
8-17	1	0	1
8-19	2	1	3
8-20	1	0	1
8-21	1	0	1
8-22	2	1	3
8-25	1	0	1
8-26	0	1	1
8-29	2	0	2
8-31	1	0	1
9-01	3	1	4
9-02	1	0	1
9-04	0	1	1
9-05	1	0	1
9-12	1	1	2
9-15	1	1	2
9-27	0	1	1
<hr/>			
TOTAL	19	8	27

*Bears not included in Table 9.

Figure 1. 1989 Bear Permit Areas and No-Quota Zone.

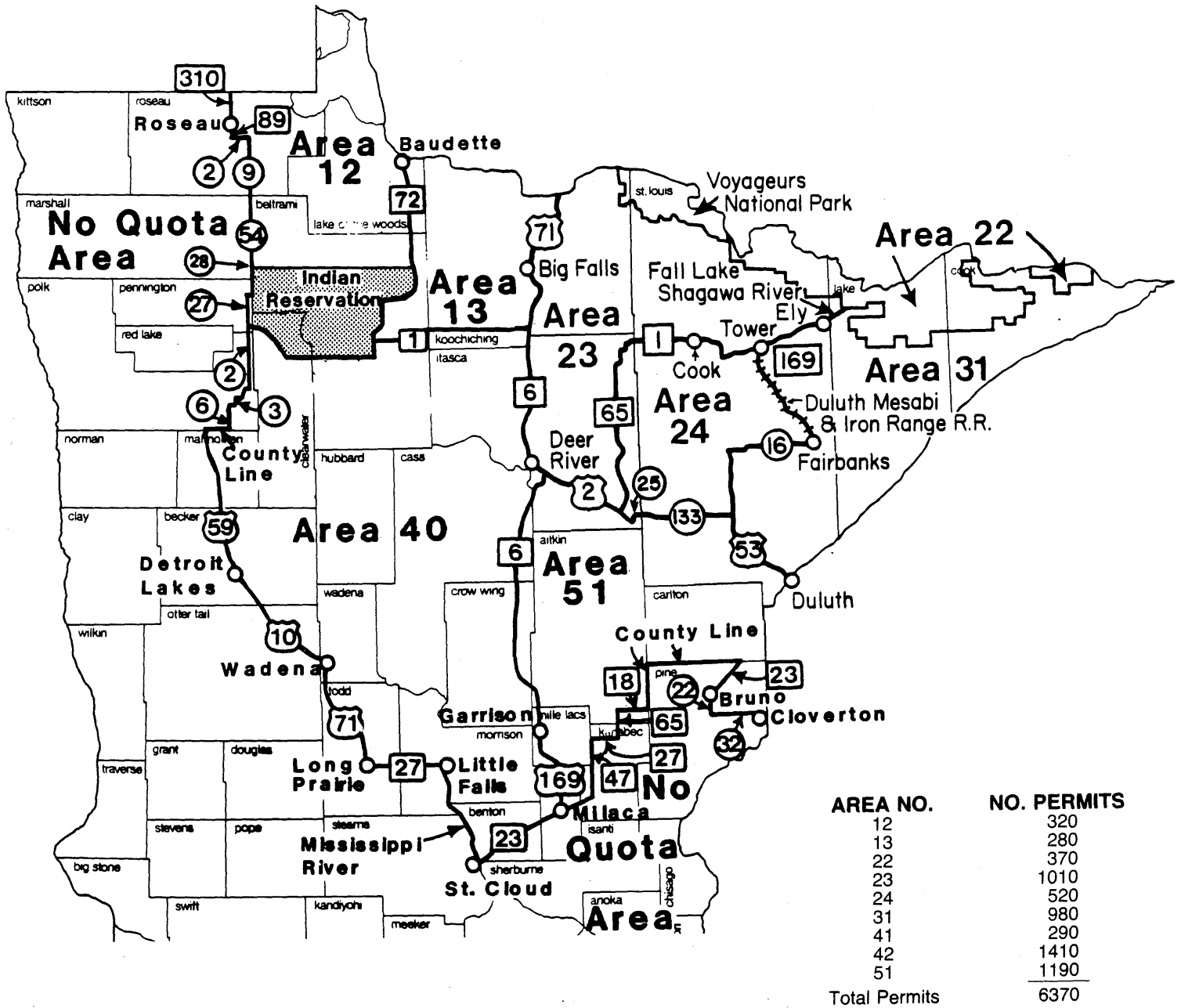




Figure 2. Bear Registration Blocks, 1989.